Govt. 71-37--48,00 --15-11-33.

Development (193) Department.

M SERIES.

G.O. No. 1261

DATED 31-7-1936.

[Despatch Abstract.]

Dev. 2136 II

14.7.36.

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DEPARTMENT.

Received ..... 19 *Registered* 19

Subject.

Thadaguni Silk Farm - Annual report on submitting.

ENCLOSURES.
No. .....
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Spare copies .....

No.

Station Madras, *Dated the* 12th July 1936.

From (Name) L.B.Green Esq., M.B.E.,
(Designation) Ag. Director of Industries,

To The Secretary to the Government of Madras,
Development Department.

Sir,

In G.O.No.417 Ms. Development dated 28th March 1934, Government sanctioned the opening of a departmental silk farm in Kollegal Taluq and ordered that an annual report on the results of the working of the farm should be submitted. Accordingly I submit the following report:

2. Staff: The staff was strengthened in December 1935 by the addition of a farm manager and two operatives under the Government of India subvention scheme.

3. The acreage under mulberry remained the same as last year, i.e. 5.32 acres. Though sanction has been accorded under the Government of India Scheme to lease five more acres of mulberry, it has not yet been found possible to

secure land suitable for mulberry plantation near the farm at a reasonable price. The difficulty is being overcome temporarily by purchasing mulberry leaves whenever the need arises.

4. Farm Plantation: The leaves from the first plot of garden- 3.49 acres - picked for one full year, weighed 9364 lbs, and from the second garden - 1.83 acres - 3949 lbs, the yield per acre averaging 2676 lbs. and 2160 lbs respectively. Agricultural operations, such as ploughing, hoeing, and weeding were conducted in the usual manner by hiring hoes and bullocks and employing extra labour as and when necessary. The cost of cultivation per acre after allowing for manure, hoeing, weeding etc., but without including the land assessment which is borne by the respective owners, worked out to Rs.10-14-0 per acre.

7903 lbs in 1934-

5. Manurial experiments: The second plot of garden - 1.83 acres, in extent - is maintained solely for manurial experiments, 20 rows being treated with horsegram green manure, 20 rows with sunhemp compose, and 20 rows with the farm yard manure, in order to study the comparative yield of leaves under similar and identical conditions of weather. The following table shows the actual weight of leaves from these plots for the two pickings that were taken after the application of the said manures.

Picking.	Sunhemp Compose.	Horsegram Green Manure.	Farm-Yard Manure.
I	209 lbs.	78 lbs.	213 lbs.
II summer.	140 ,,	72 ,,	102 ,,

The yield of leaves in the case of horsegram would have been more, but for the failure of rains after the application of the manures. The experiment will be continued this year and the results tabulated correctly.

6. Rearings: Six batches of rearings of pure Mysore worms and four batches of hybrid worms (experimental) were conducted during the year under report with 4431 disease-free layings, harvesting 786 lbs. 14 oz., and 804 lbs. 9 ozs., respectively.

The average quantity harvested for every 100 disease-free layings was 32 1/3 lbs. of the former, and 23 lbs of the latter. Two out of the six rearings of hybrids were unsuccessful owing to the prevalence of 'Pebrine' and this was responsible for the low out-turn of 23 lbs. per 100 layings. In two instances 100 disease-free layings (pure Mysore) gave an yield of 45 lbs. each, and the same quantity in the hybrid gave 46 lbs. Each pound of cocoon, when counted, on an average gave 505 in the case of the Mysore variety, and 480 in the case of the Hybrids. The quantity of leaves that were actually required to raise 1 lb. of cocoons (Mysore) was 16 lbs., and in the case of the hybrid variety 15 lbs.

7. Disposal of Cocoons: All the rearings in the farm, except two hybrid rearings, were harvested successfully. Th

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farm was able to produce and distribute 42925 disease-free layings which gave good results throughout the taluq. The balance of the cocoons was converted into silk and sold. The ryots of the villages adjoining Thadaguni are provided with opportunities of studying the proper way of rearing the worm during the different seasons. The disinfection of the rearing room, rearing appliances, and chandrikis is properly conducted after each crop and the ryots in the nearby villages are shown the advantages of this. Some of the ryot have already taken to disinfection.

8. Financial aspect of the farm:

Receipts:

i. Sale of disease-free layings	- Rs.	130	13	9
ii. Sale of pierced cocoons	-	37	1	1
iii. Sale of silk and waste	-	165	7	2
iv. Sale of litter	-	16	0	0
v. Sale of leaves	-	11	14	0
vi. Sale of pruned cuttings	-	1	8	0
vii. Hire of chandrikis	-	13	8	6
Total	- Rs.	376	4	6

Charges:

i. Amount spent on different purchases from the permanent advance ...	Rs.	381	13	11.
ii. Amount spent from the cash advance ..		56	6	0
iii. Office rent (Building I) ...		36	0	0
iv. (Building II) ...		3	0	0
v. Lease amount		113	3	0
Total	Rs.	590	6	11.

9. General and programme of future work: Accurate statistics pertaining to the economics of sericulture with the rearings based on the employment of rational methods during the different seasons were and will continue to be collected. Experiments on the propagation of the different varieties of mulberry, e.g. Kashmere, Japanese, Bengal and Mysore, are being conducted in the farm yards attached to the two buildings with a view to ascertaining definitely the yield of leaves in each case, the qualities of the leaves, and the progress of the worms when fed by the different varieties. Experiments on grafting will also be conducted separately. The main object of the work which will be carried out hereafter will be to produce good and healthy seed cocoons during all seasons so as to supply the constant demands of the ryots of the Taluq, and so bring home to them that the seed produced out of the soils of Thadaguni is equal, if not, superior, to that vended from Mysore.

Ag: Director of Industries.

G.M.

Dir. Ag.

CM. 2136/II/86. Subject. Industries: Veterinary Thadagunni Cattle Farm. Annual report 1935-36.

1 p. 1-4 Cr

From the Dy. Director Industries Mr. Nil
Dated 12.7.36

To Government.

I have the Director's letter pages 1-4 Cr, submitting an annual report on the results of the working of the Thadagunni Cattle farm during 1935-36.

2. The annual report called for in

1 p. 3 of (S)

para 2 of Govt. No. 417 Dev. dated 28.5.1934 was with a view to seeing whether the farm justified its further continuance. The farm is now being worked in conjunction with the Cattle Breeding Subvention Scheme for the production and distribution of Disease-free Cattle Seed and for research sanctioned in Govt.

(G) No. 720 Dev. dated 16.5.35. The continuance of the Thadagunni farm and staff

(L) till 31.3.37 has already been sanctioned in Govt. No. 881 Dev. dated 30.5.36. The

(E) Director has been asked in D. no. 1788 dated 29.6.36 to submit his future annual report not later than 1st March

on the results of the working of the Subventions Scheme as a whole, which will give us an opportunity to decide the future continuance.

3. The present report may be recorded

A draft order is submitted

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4.7.36. 22.7

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Issue.

I am not sure if 1st March should be the appropriate date. Does the I C A R's letter received 2 days ago about the forthcoming Conference (Dec? 36) indicate any date up to which they want information on each of the Schemes financed by them?

Cia
29.7.36

× Iss 30 M.
M. 1783 I (E)
29.6.36

[Secretary's Cir. M. 1260 Dtd 31.7.36] Despatched

To Universities.

Presumably the letters from the Govt of India regarding the holding of the 8th Universities Conference and the 3rd meeting of the Imperial Sericultural Committee to be held in Dec 36 are referred to.

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The Govt of India have asked for a report not later than 30.9.36 on the operation of each of the Provincial Schemes, viz:-

(i) Handloom Subventions Scheme

and (ii) Sericultural Subventions Scheme.

The Govt of India have not indicated any date up to which they want information.

- Work 1-12-1
- Work 1-12-11

J.D. 7.8.36. Bm 8.8

Sir

Clo 11.8.36